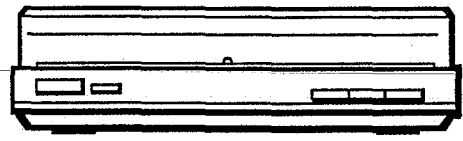
S/M Code No.89-040 DATE OF ISSUE 6/1989-I

AIWA®

PX-E75
PX-E45

SERVICE MANUAL



STEREO TURNTABLE SYSTEM

● TYPE. Y

SPECIFICATIONS

Drive system	Belt drive system
Speeds	33 $^{1}/_{3}$ and 45 rpm
Wow & flutter	0.25% (WRMS)
S/N ratio	45 dB (DIN-B)
Cartridge type	VM type
Frequency response	20—20,000 Hz
Dimensions	360(W)×96.5(H)×350(D) mm
Weight	2.2 kg (PX-E75)
	2.1 kg (PX-E45)
Stylus	AN-11

● Design and specifications are subject to change without notice.

AIWA Co., Ltd.

Tokyo Japan

Printed in Japan

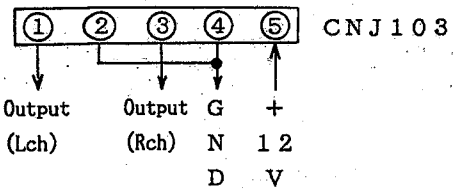
Cautions when servicing

Models PX-E45/E75 do not have a power transformer and receive their power supplies from the cassette receiver through a 5-pin flat cable.
When servicing the PX-E45/E75, connect them to a suitable cassette receiver. (See Table 1)
If you do not have suitable cassette receiver, follow the procedure below.

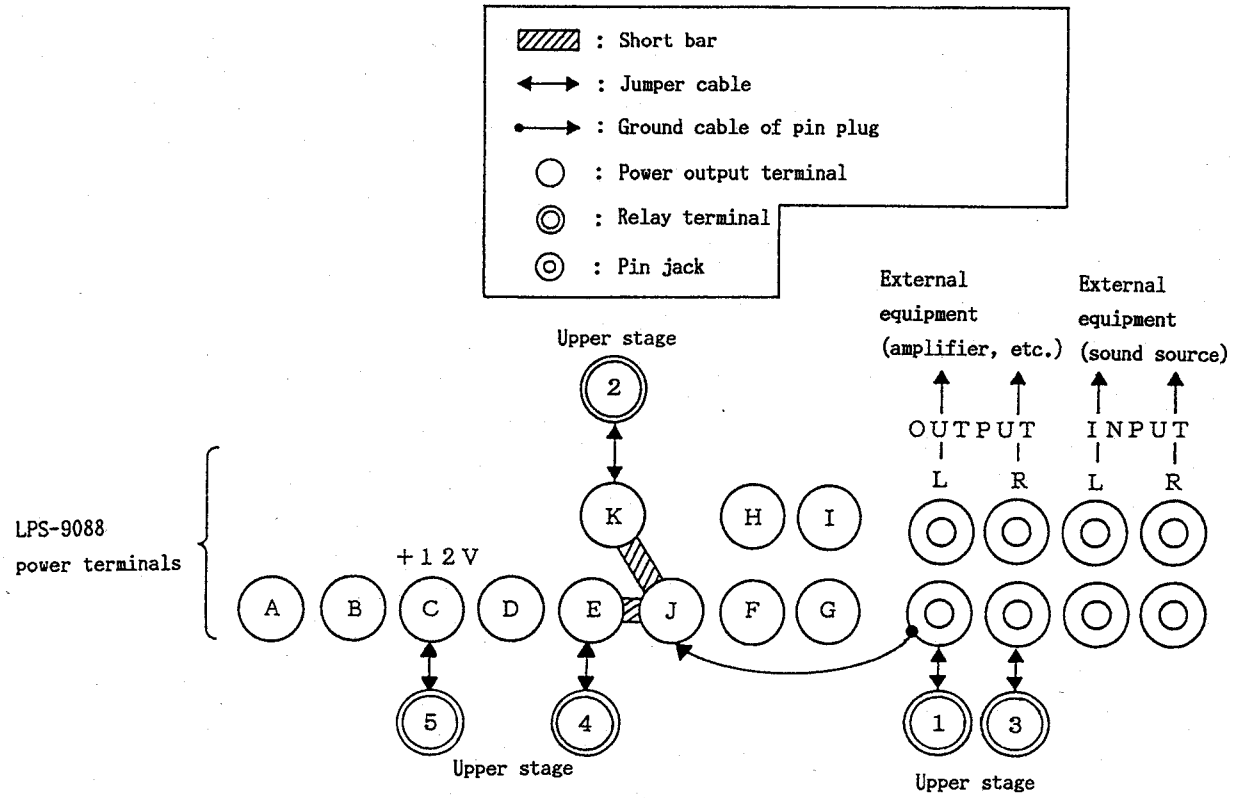
Table 1

Cassette receivers that can supply power	
CX-S33	CX-550
CX-S44	CX-S770
CX-S55	CX-S780
CX-S78	CX-S790
CX-S88	GC-S888
CX-S712	CX-S755
CX-S45	CX-S75
CX-S35	

[When servicing the unassembled PX-E45 or PX-E75]
① 5-pin flat cable from an external power supply.



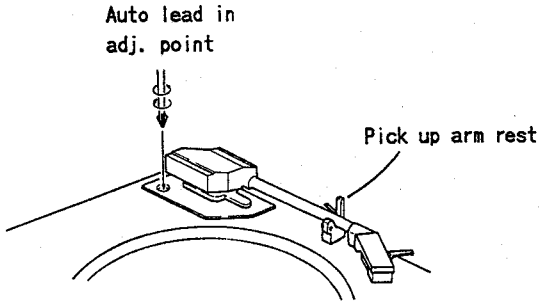
② Connection diagram when using multi-power supply (LPS-9088)



ADJUSTMENT

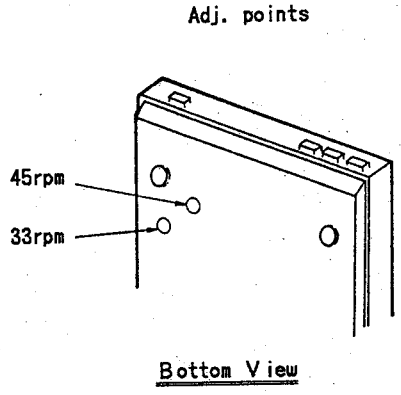
1. Auto Lead In and Auto Return Adjustment. (PX-E75)
   Test Record (YFSC-16)

Adjustment	Disk Size	Count
Auto Lead In	30cm	5 ~ 25
	17cm	10 ~ 32
Auto Return	---	11 ~ 17



2. Phono Motor Speed Adjustment.
   Test Record (YFSC-16)
   (3kHz)

33rpm	3000Hz
45rpm	4050Hz



Bottom View

ELECTRICAL MAIN PARTS LIST

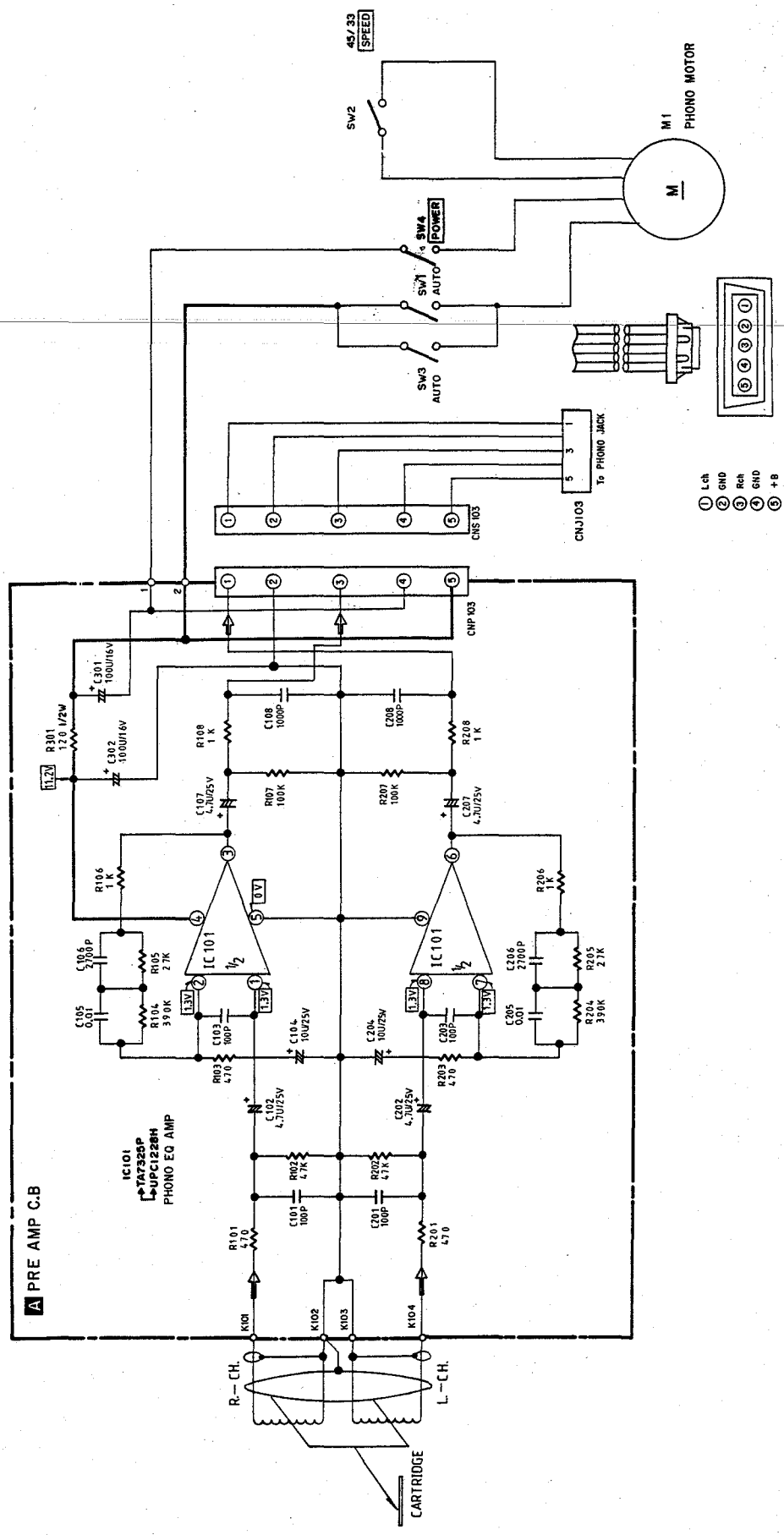
REF.NO.	PART NO.	DESCRIPTION
=== IC ===		
	↱87-027-683-010	IC,TA7325P
	↳S4-151-012-28H	IC,UPC1228H
=== PRE AMP CIRCUIT BOARD SECTION ===		
=== MISCELLANEOUS ===		
	*S5-230-425-000	CARTRIDGE ASSY(AT-3600LA)
CNJ103	*SC-488-055-505	CONNECTOR ASSY(OUTPUT,POWER)
M1	SC-022-000-303	MOTOR ASSY(MMI-6T2RWO)
SW1	S4-406-000-049	LEAF SW(AUTO)
SW2	S4-430-222-517	PUSH SW(45/33 SPEED)
SW4	+++	PUSH SW(POWER)
SW3	S4-406-010-036	LEAF SW(AUTO)

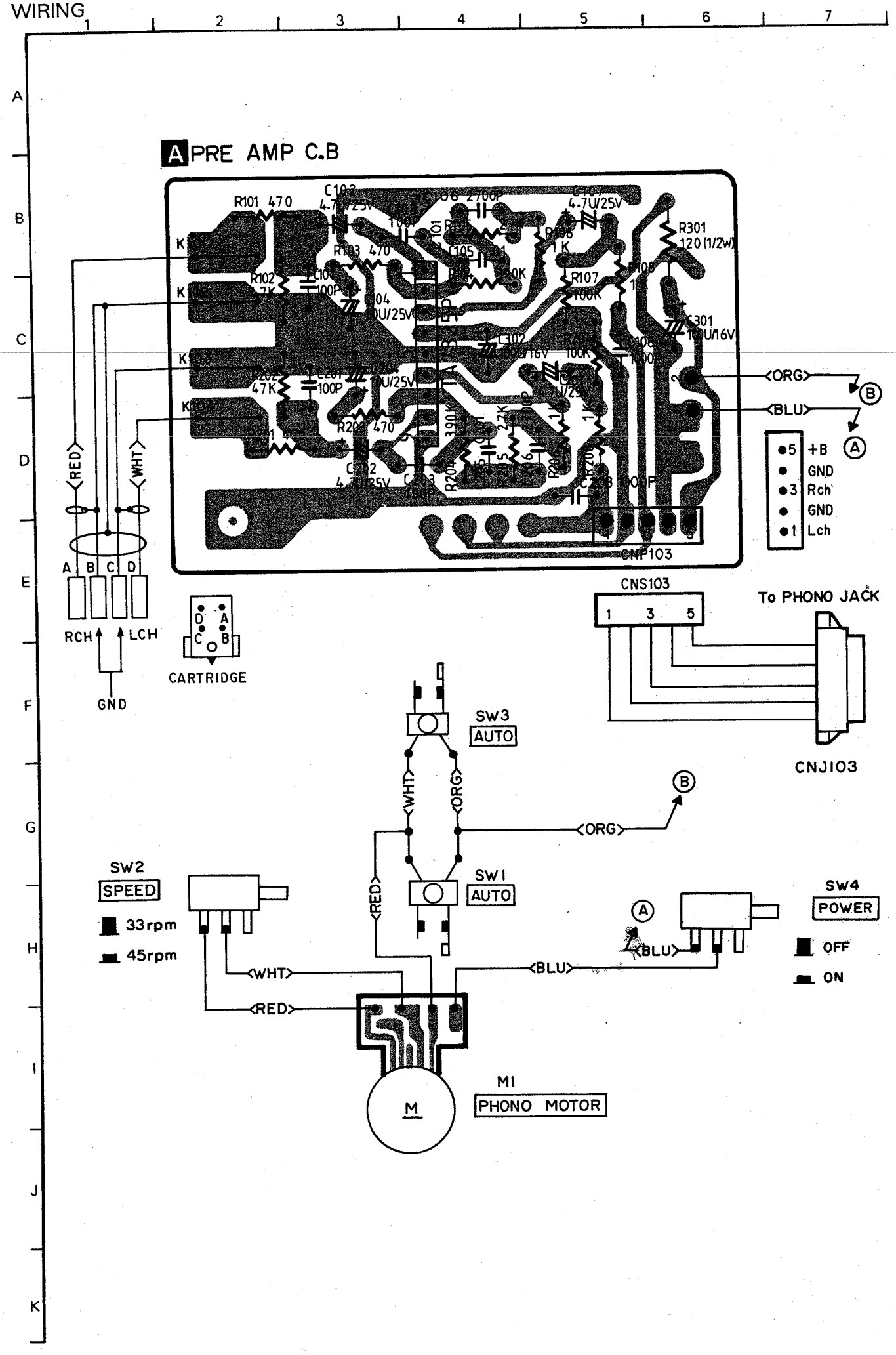
PRACTICAL SERVICE FIGURE

<Turntable Section>
Wow & flutter : Less than 0.25% (WRMS)

<Cartridge Section>
Stylus tip : 0.6mil.
Stylus pressure : 3.5g
Output voltage : 2.5mV (1kHz)

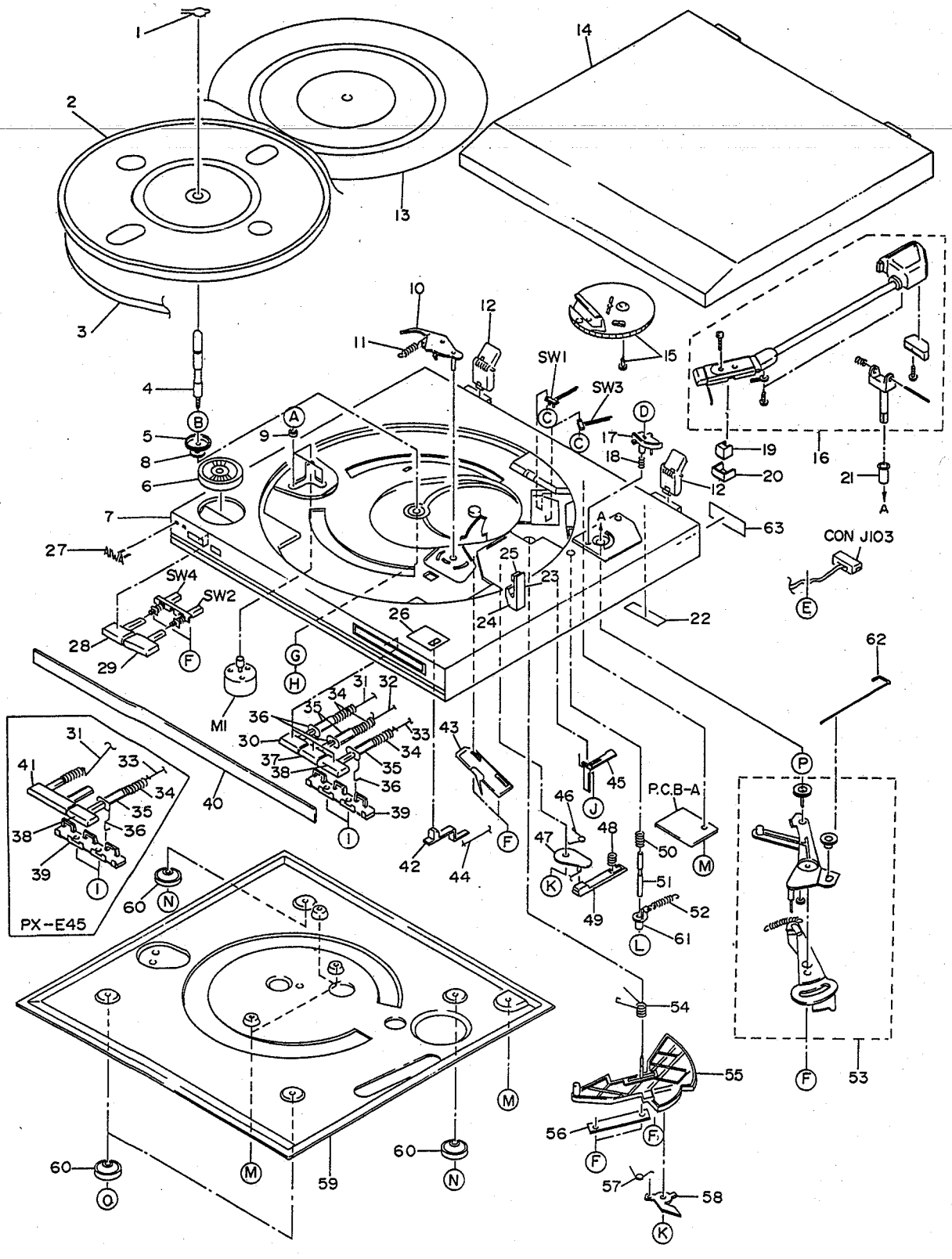
SCHEMATIC DIAGRAM




A PRE AMP C.B
R101 470
R102 47K
R103 470
R107 100K
R301 120 (1/2W)
C301 100U/16V
C302 100U/16V
C201 100P
C202 4.7U/25V
R202 47K
R203 470
R204 390K
R205 22K
R206 1K
R207 100K
CNP103
5 +B
GND
3 Rch
GND
1 Lch
ORG
BLU
RED
WHT
A B C D
RCH
LCH
GND
CARTRIDGE
CNS103
1 3 5
To PHONO JACK
CNJ103
SW3
AUTO
SW1
AUTO
SW2
SPEED
33rpm
45rpm
SW4
POWER
OFF
ON
M1
PHONO MOTOR
M

EXPLODED VIEW

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
A	S2-004-100-785	MOTOR SCREW 2.6x6.5 ZN3A	G	S2-004-100-487	SPRING WASHER	M	S8-791-301-000	SCREW 7-BRAZ 3010 ZN3A
B	S2-056-000-278	PW 7.6x12x0.25	H	S3-032-100-050	NUT 50 ZN3A	N	S8-761-300-812	SCREW 7-CUP 3008 WF12 ZN3A
C	S8-712-200-800	SCREW 7-PAN 2008 ZN3K	I	S8-791-301-200	SCREW 7-BRAZ 3012 ZN3A	O	S8-761-301-412	SCREW 7-CUP 3014 WF12 ZN3A
D	S8-132-261-200	SCREW 1-FLAT Z612 ZN3K	J	S8-761-300-610	SCREW 7-CUP 3006 WF10 ZN3A	P	S2-004-100-783	PW 9.7x13.5x0.5
E	S0-004-100-492	SCREW ASSY	K	S8-761-300-810	SCREW 7-CUP 3008 WF10 ZN3A			
F	S8-761-301-012	SCREW 7-CUP 3010 WF12 ZN3A	L	S3-130-000-030	E RING ϕ3			



MECHANICAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	1	★S1-006-005-025	SPINDLE CLIP		1
	2	★S0-001-102-080	TURNTABLE ASSY		1
	3	★S1-019-005-005	TURNTABLE BELT		1
	4	★S1-004-102-154	SPINDLE		1
	5	★S2-020-075-410	SPINDLE WASHER		1
	6	★S1-009-000-080	TURNTABLE ADAPTOR		1
	7	★S1-002-103-272	MAIN CABINET(PX-E45)		1
	7	★S1-002-103-245	MAIN CABINET(PX-E75)		1
	8	★S3-021-210-022	FLAT WASHER		1
	9	★S2-065-100-278	GROMMET(A)		3
	10	★S2-003-100-837	REJECT LEVER		1
	11	★S2-016-005-005	REJECT LEVER SPRING		1
	12	★S0-004-102-821	HINGE ASSY		2
	13	★S0-002-103-077	TURNTABLE MAT ASSY		1
	14	★S0-001-102-694	DUST COVER ASSY		1
	15	★S0-003-101-865	CAM GEAR ASSY		1
	16	S0-004-103-143	PICK UP ARM ASSY(PX-E45)		1
	16	S0-003-101-863	PICK UP ARM ASSY(PX-E75)		1
	17	★S1-003-101-533	LIFT PLATFORM		1
	18	★S2-012-000-080	ARM LIFT SPRING(A)		1
	19	S5-240-425-000	STYLUS		1
	20	★S1-046-000-289	CARTRIDGE COVER		1
	21	★S2-004-101-530	P.U.HINGE COLLAR		1
	22	★S2-002-001-306	SECURING RUBBER(PX-E45)		1
	23	★S1-013-005-005	P.U.TUBE HOOK		1
	24	★S1-003-102-173	P.U.REST		1
	25	★S2-055-001-306	CUSHION		1
	26	★S1-004-102-165	TOP OVERLAY(PX-E45)		1
	26	★S1-004-102-521	SIZE SELECTOR OVERLAY(PX-E75)		1
	27	★S1-004-103-372	AIWA BADGE		1
	28	★S1-003-103-309	POWER KNOB		1
	29	★S1-003-102-816	SPEED KNOB		1
	30	★S1-003-102-815	CUT KNOB(PX-E75)		1
	31	★S2-004-101-859	REJECT ROD		1
	32	★S2-004-101-857	CONTROL ROD(PX-E75)		1
	33	★S2-004-101-861	CUE ROD		1
	34	★S2-018-005-005	CONDUCT LEVER SPRING		3
	35	★S2-005-005-005	CONDUCT LEVER		3
	36	★S2-032-005-005	CONDUCT WIRE		3
	37	★S1-003-102-814	START KNOB(PX-E75)		1
	38	★S1-003-102-813	CUE KNOB		1
	39	★S2-003-101-508	CONDUCT HOLDER		1
	40	★S1-003-102-889	FRONT OVERLAY		1
	41	★S1-003-102-953	CUT KNOB(PX-E45)		1
	42	★S1-009-005-005	SIZE SELECTOR KNOB(PX-E75)		1
	43	★S2-041-005-005	CONTROL LEVER(PX-E75)		1
	44	★S2-004-101-858	SIZE SELECTOR ROD(PX-E75)		1
	45	★S2-011-005-005	CUE LEVER		1
	46	★S2-004-000-520	SPEED SHIFT CAM SPRING(PX-E75)		1
	47	★S2-012-005-005	SIZE SELECTOR HOLDER(PX-E75)		1
	48	★S2-004-100-853	SIZE SELECTOR SPRING(PX-E75)		1
	49	★S2-004-100-813	SIZE SELECTOR(PX-E75)		1
	50	★S2-021-005-005	ARM LIFT SPRING		1
	51	★S2-004-101-531	ARM LIFT SHAFT(PX-E45)		1
	51	★S2-004-100-500	ARM LIFT SHAFT(PX-E75)		1
	52	★S2-042-005-005	ARM LIFT FORK SPRING		1
	53	★S0-003-102-286	RETURN LINK ASSY(PX-E45)		1
	53	★S0-003-101-864	RETURN LINK ASSY(PX-E75)		1
	54	★S2-004-101-528	CONTROL ARM SPRING		1
	55	★S2-002-102-297	CONTROL ARM		1
	56	★S2-004-101-288	HOLDER PLATE		1
	57	★S2-004-100-786	LEVER SPRING(PX-E75)		1
	58	★S2-004-102-048	LEVER(PX-E75)		1
	59	★S1-001-101-465	BOTTOM CABINET		1
	60	★S2-003-105-015	FOOT		4
	61	★S2-004-100-500	ARM LIFT FORK		1
	62	★S2-004-101-860	TRIP ROD		1
	63	★S9-004-103-251	MODEL LABEL(PX-E75Y)		1
	63	★S9-004-103-252	MODEL LABEL(PX-E75YJ)		1
	63	★S9-004-103-423	MODEL LABEL(PX-E45Y)		1
	63	★S9-004-103-424	MODEL LABEL(PX-E45YJ)		1